

Paragraphs 0039 and 0041 have been amended to correct clerical errors.

Figures 1 and 2 have been labeled "Prior Art". Figures 3A and 3B were numbered incorrectly and have now been renumbered. A marked up copy of the amended drawings (Figures 1, 2, 3A and 3B) is provided in Attachment B wherein the changes are indicated in red.

Formal drawings will be provided on or before allowance of the present application.

No new matter has been added.

**Please charge any additional fees or credit overpayment to Deposit Account No: 50-1142.**

Respectfully submitted,



Clifford H. Kraft, Reg. No. 35,229

320 Robin Hill Drive  
Naperville, Illinois  
60540 U.S.A.

Tel: 708-528-9092  
Fax: 626-358-6788



## ATTACHMENT A

### Clean Replacement and New Paragraphs

Please replace the previously provided paragraphs with the following clean and new paragraphs:

Paragraphs 0026, 0026.1, 0039 and 0041

*1*  
[0026] Figure 3A is a simplified block diagram of an embodiment of a multi-wavelength optical monitor according to the invention;

*2*  
[0026.1] Figure 3B is a simplified block diagram of an embodiment according to the invention;

*3*  
[0039] Referring to Fig. 3A, a mechanical assembly is shown for use in packaging of the array waveguide grating 200. Mount points 305 are shown for supporting the array waveguide grating 200. The packaging includes a temperature compensation device 310 in the form of a feedback control circuit and a heating element for maintaining the temperature inside the packaging so as to avoid temperature-induced variations in optical performance. A manufacturing guide 315 is disposed within the mechanical assembly or formed integrally therewith for aligning an optical fibre with the input port 205.

*4*  
[0043] Referring to Fig. 3B, a device similar to that of Fig. 1 is shown but according to the invention. Here the detector array 25 is affixed to an endface of the optical component adjacent an unguided region of the dispersive element and absent waveguides therebetween..

**ATTACHMENT B**  
**Marked Up Replacement and New Paragraphs and Amended Drawings**

*A marked up copy of the amendments in the paragraphs, including the new paragraph, and amended drawings are provided as follows:*

*Paragraphs 0026, 0026.1, 0039 and 0041*

*Figures 1, 2, 3A and 3B*

[0026] Figure 3A is a simplified block diagram of an embodiment of a multi-wavelength optical monitor according to the invention;

[0026.1] Figure 3B is a simplified block diagram of an embodiment according to the invention;

[0039] Referring to Fig. 3A, a mechanical assembly is shown for use in packaging of the array waveguide grating 200. Mount points 305 are shown for supporting the array waveguide grating 200. The packaging includes a temperature compensation device 310 in the form of a grating 200. The packaging includes a feedback control circuit and a heating element for maintaining the temperature inside the packaging so as to avoid temperature-induced variations in optical performance. A manufacturing guide 315 is disposed within the mechanical assembly or formed integrally therewith for aligning an optical fibre with the input port 205.

[0043] Referring to Fig. 3[a]B, a device similar to that of Fig. 1 is shown but according to the invention. Here the detector array 25 is affixed to an endface of the optical component adjacent an unguided region of the dispersive element and absent waveguides therebetween.

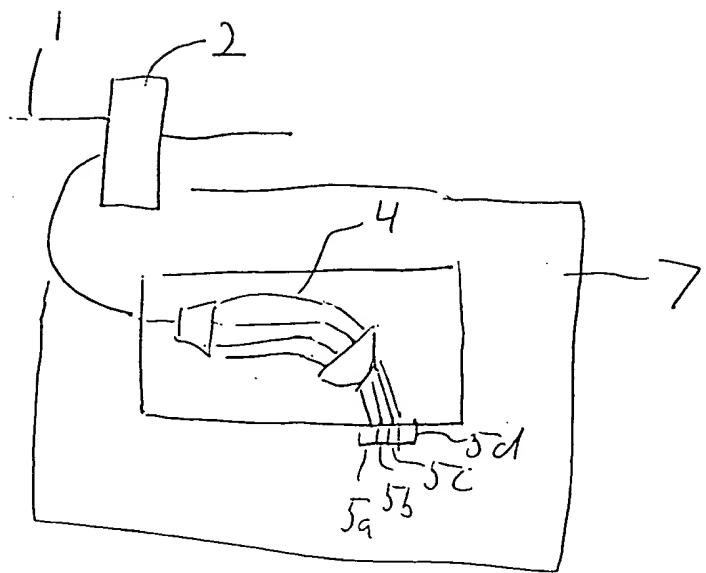


Fig. 1 (Prior Art)

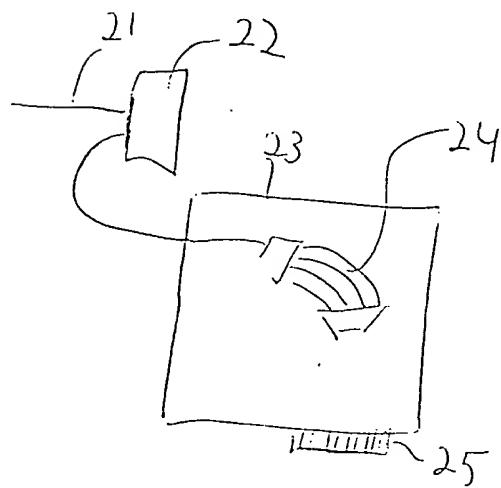


Fig 3A B

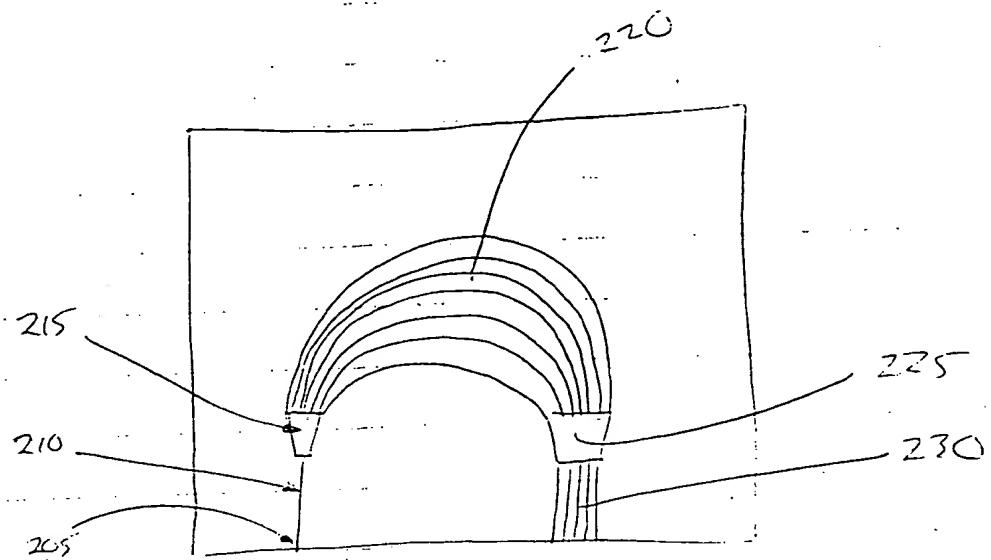


Fig. 2 (Prior Art)

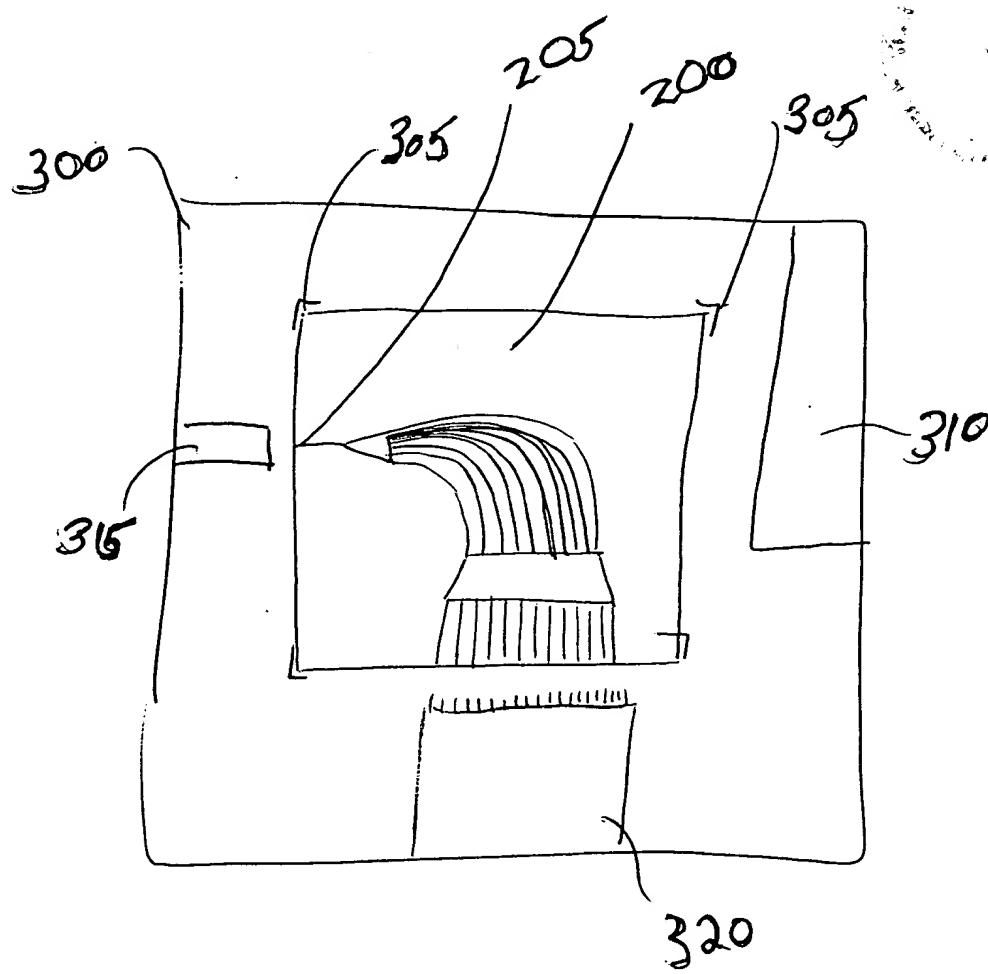


Fig. 38A